SQPC Command

Purpose: Create a compressed - SQueezed - copy of a file.

Format: SQPC [d:]input[.ext] [d:[\outpath]]

Syntax:

The input file name is required. It may contain a drive letter, a path name, and wildcard characters.

The output file specification is optional. If omitted, the squeezed output file is placed in the current path on the current drive. If supplied, the output specification may contain a drive letter and path names. The output filename and extension are taken from the input filename and extension, except that the extension for the output extension is changed to contain the letter "Q" as the middle letter. This identifies the file as a "squeezed" file.

If the input file name does not include an extension, the output file name is assigned an extension of "QQQ".

The output file replaces any existing file of the same name.

Remarks:

SQPC is derived from the SQ File Squeezer written by Richard Greenlaw. SQPC was written using assembly language to achieve a smaller program file and to improve performance. It uses the same Huffman encoding algorithm for creating a squeezed file from any input file. Additionally, SQPC allows the use of path names and wildcards, and it incorporates the file date/time stamp feature employed in the newer version of SQ known as NSQ.

The squeezed file created by SQPC can be unsqueezed back into the original file form by using the USQ or NUSQ programs. The original file date and time are preserved by SQPC and NUSQ.

Compression rates are dependent on the content of the file to be squeezed. For a typical ASCII text file, a compression to 60% of the original file is common. For more complex data, such as in an EXE file, much smaller compression rates are expected. For small files, the rate may be over 100% because decoding information is included in the squeezed file.

| If any errors are encountered, the DOS ERRORLEVEL variable
| is set to a value of 1 (one).

Examples:

1) Squeeze the file "PGM.ASM1" which is contained in a subdirectory call "SOURCE" on drive "A". Place the squeezed file in a subdirectory call "TEST" on drive "B". The squeezed file is called PGM1.AQM.

```
A>SQPC A:\SOURCE\PGM1.ASM B:\TEST
```

2) Create a squeezed file for the file called "MEMO.TXT" which is contained in the current directory in the current drive.

Place the squeezed file in the same directory on the current drive. The squeezed file is called MEMO.TQT.

```
A>SQPC MEMO.TXT
```

3) Squeeze all files with an extension of "DOC" which are contained in the current directory on drive "B". Place the output in the current path for drive "A". The squeezed files have an extension of "DQC".

```
A>SQPC B:*.DOC A:
```

Notes:

Written by Vernon D. Buerg for the IBM PC using PC DOS 2. Although this program has been extensively tested, the following disclaimer is included:

No warranty is given, either expressed or implied, as to the fitness or usability of this program. No liability is assumed for any loss or damage claimed as a result of using this program.

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Vernon D. Buerg
456 Lakeshire Drive
Daly City, CA 94015
(415) 991-0644
Compuserve: 74375,500

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